



Phase 2 Activity Report September 7, 2021

ITEM DESCRIPTION: **PROGRESS REPORT**

HIGHLIGHTS – WEEK ENDING – SEPTEMBER 7, 2021

1. No 8 Flare

1. Period August 31 to September 7, 2021
 - i. No 8 Flare continued to be fully operational
 - ii. No process units were opened to the flare
 - iii. The flare KO Drums, and the flares header line up remained with the same configuration
 - iv. Recalibrated and validated continuous monitors at the flare and fuel gas system
 - v. Optimized combustion zone (CZ) heating value to ensure appropriate supply of steam and C3
 - vi. Due to low purchase propane inventory, supplemental gas (C3) supply ceased postponed following conversation with EPA
 - vii. The no 7 vaporizer was put in service to handle the C3 from storage

2. **H2S Scavenger system** continued to be fully functional

3. IoMosaic Independent Observer

- i. Representative observed the operational activities including, including the discussion associated with the CEMS
 - ii. New IoMosaic representative arrived Sunday September 6, 2021; Introduced to the Phase 2 schedule. EPA - -OCS – On-Scene Coordinator, Process definitions such as “Units Cold Circulation, Heat-Up, Steam Out and Nitrogen Purge”
4. **On September 4, 2021 it was reported by EPA – OCS (On-Scene Coordinator)** reported seeing some smoke at the flare stack , 11:20 and 11:22 am. (report was received approximately 1500hrs:
 - i. Upon investigation operations had initiated a complete survey of facility; initial assessment indicated that all systems remained isolated from the flare;
 - ii. No other events have been experienced
 - iii. Preliminary conclusion is the level in the flare KO drum is weathering with heat
 - iv. Action taken
 - a) Detailed investigation continues
 - b) The Fuel gas (in C3 service) ko drum drain were car sealed closed to control any potential drainage to the flare in case accumulation of liquid

2. No 5 Crude Unit

1. Cold circulation continued until Friday Sept 2, 2012
2. Heaters pilots were checked in preparation for warm circulation
3. Warm circulation not commenced
4. Repair to the line from No. 7 DD – Distillate Desulfurizer to No 5 Crude Unit completed; Will resume transfer of diesel this coming week

• No. 3 Vacuum

1. Cold circulation largely completed
2. Warm circulation not commenced

• Purchased C3 was received; ship unloading completed

• No 4 Hydrobon

1. Completed cold circulation
2. Started pump out step – 90 % completed

• No 4 Platformer Unit

1. Completed cold circulation
2. Started pump out step – 90 % completed



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- **No. 3 Hydrobon**
 1. Completed cold circulation
 2. Completed pump out
- **No. 6 DD – Distillate Desulfurizer**
 1. Completed cold circulation
 2. Started pump out – 80% completed
- **No. 7 DD – Distillate Desulfurizer**
 1. Completed cold circulation
 2. Started pump out – 80% completed
- **No. 9 DD – Distillate Desulfurizer**
 1. Completed cold circulation
 2. Started pump out – 80% completed

PROJECTION FOR THE PERIOD SEPTEMBER 8, 2021 – SEPTEMBER 13, 2021

- **No. 5 Crude Unit**
 1. Begin warm circulation. It is anticipated that this step will take 2 -4 days due to the size of the unit
 2. Transfer material to vacuum units
 3. Start steam out to the flare
- **No 3 Vacuum Unit**
 1. Start cold circulation
 2. Initiate warm circulation
- **No. 6, 7 and 9 DD**
 1. Complete pump out
 2. Start purge with steam
- **No 4 Hydrobon and Platformer**
 1. Complete pump out
 2. Start steam purge
- **Independent Observer (Io Mosaic):**
 - Introduce new representative to the facility activities
 - Provide contact information for new representative to EPA

ATTACHMENT

- Refinery De-Inventory Plan Phase 2 090721